Morbidity and Mortality Weekly Report

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended March 18, 1961

Anthrax – The first case of human anthrax for 1961 has been reported by Pennsylvania. The patient, a 54 year old female developed a pruritic, painless sore on her left forearm on March 8. She saw a company physician on March 10, who took a smear and culture, which subsequently were reported to be positive for *Bacillus anthracis*. She was treated with penicillin, and hospitalized for three days. Her course was mild and the lesion was reported to be typical for cutaneous anthrax. She has been employed as a spinner in a Philadelphia goat hair processing mill for 2½ years. Goat hair from middle eastern countries is currently being processed. Five cases of anthrax were reported by the 11th week in 1960.

Hepatitis – Cases have declined in number for the second consecutive week. The current total of 1,896 cases is, however, not far below the peak of 2,091 cases reached during the week ending March 4. This decrease is reflected in all geographic divisions except the mountain States where every State but Arizona contributed to an increase.

Poliomyelitis – Reporting of poliomyelitis during the 11th week in 1961 remains at a low level with reports of 11 cases, 9 paralytic. With corrections in these figures for delayed reports from 1960, the weekly reporting of current cases stands at 7 cases, 6 paralytic. This brings

Table I. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	11th Week			Cumulative						Approximate seasonal low point
				First 11 weeks			Since seasonal low week			
* Weekly incidence low or sporadic --- Data not available - Quantity zero	Ended March 18, 1961	Ended March 19, 1960	Median 1956-60	1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
Anthrax----------062	1	1	*	1	5	*	*	*	*	*
Botulism----------049.1	-	-	*	4	3	*	*	*	*	*
Brucellosis (undulant fever)------044	15	12	15	105	168	163	*	*	*	*
Diphtheria----------055	13	6	10	188	208	221	768	738	941	July 1
Encephalitis, infectious----------082	37	24	26	268	275	249	268	275	249	Jan. 1
Hepatitis, infectious, and serum----------092,N998.5 pt.	1,896	858	495	19,368	8,190	5,636	34,575	16,021	10,848	Sept. 1
Malaria----------110-117	1	-	*	8	11	*	*	*	*	*
Measles----------085	13,733	15,508	18,186	121,126	114,805	137,512	157,336	150,611	168,907	Sept. 1
Meningitis, aseptic----------340 pt.	31	27	---	248	311	---	248	311	---	Jan. 1
Meningococcal infections----------057	43	50	61	542	608	634	1,198	1,284	1,404	Sept. 1
Poliomyelitis----------080	11	5	33	94	188	244	3,159	8,462	8,462	Apr. 1
Paralytic----------080.0,080.1	9	4	21	56	135	172	2,164	5,636	5,636	Apr. 1
Nonparalytic----------080.2	2	-	10	20	30	41	643	2,147	2,147	Apr. 1
Unspecified----------080.3	-	1	2	18	23	31	352	679	679	Apr. 1
Psittacosis----------096.2	1	3	*	11	22	*	*	*	*	*
Rabies in man----------094	-	-	*	2	-	*	*	*	*	*
Streptococcal sore throat, including scarlet fever------050,051	10,025	8,999	---	105,999	96,122	---	203,651	---	---	Aug. 1
Typhoid fever----------040	10	15	15	96	107	159	799	834	1,171	Apr. 1
Typhus fever, endemic----------101	-	-	*	5	5	*	*	*	*	*
Rabies in animals----------	65	123	112	855	913	1,025	1,259	1,894	1,894	Oct. 1

the yearly total of cases with 1961 onset to 37 cases, 28 paralytic. The largest State total recorded this week comes from California with 3 paralytic cases, 2 of which have onset in 1961. No concentration is evident here or elsewhere, and no winter epidemics have been reported.

EPIDEMIOLOGICAL REPORTS

Poliomyelitis – South Carolina

In July 1960, a moderately severe epidemic of poliomyelitis erupted in the northwestern part of South Carolina, with occurrence of 35 cases, 25 paralytic. The first case in early June involved an unvaccinated Cherokee County infant and, after a lapse of two weeks, cases began to occur both in Cherokee and adjacent Spartanburg Counties in an epidemic fashion, reaching a peak in mid-July and declining thereafter. The time interval between the first case onset and the others suggested a possible common source spread, but investigation failed to substantiate this, and favored a personal contact spread. Two fatalities were recorded, both due to bulbo-spinal involvement of a school age child and an early adolescent. Laboratory specimens were submitted on 33 patients with positive results in 27 of these. Poliovirus type I was isolated from 24 patients and type III from 3 patients. Once again, unvaccinated preschool age children accounted for the largest proportion of paralytic cases, nearly 50 percent. Fully 68 percent of all paralytic cases were unvaccinated as shown in the Table below, and only 12 percent had had three injections. No cases had received the recommended fourth booster injection.

Reported by Dr. G. E. McDaniel, Director, Division of Disease Control, South Carolina State Board of Health, bases upon a cooperative field study with CDC.

CHEROKEE – SPARTANBURG COUNTIES 1960 PARALYTIC POLIOMYELITIS CASES DY AGE GROUP BY AND VACCINATION HISTORY

	Paralytic				
	Doses of Vaccine				
Age Group	OV	IV	2V	3V	Total
0 - 4	12	3	0	1	16
5 - 9	4	0	0	2	6
10 - 14	1	1	1	0	3
15 +	0	0	0	0	0
Total	17	4	1	3	25
Percent Doses	68.0	16.0	4.0	12.0	100.0

Hepatitis – New Jersey and other States

A tabulation of 1961 New Jersey hepatitis cases through March 2 supplied by Dr. W. J. Dougherty, Director, Division of Preventable Disease, State Department of Health, has shown a very unusual age distribution. Individuals 20 and under accounted for only 21 percent of cases while the 30 – 39 year old group included 32 percent. More cases than expected (27 percent) were in the group 40 years and older. There is no localization of the adult cases within the two month period and geographically they are widely scattered in all parts of the State. No obvious explanation for this distribution is apparent.

To determine if this pattern were unique to New Jersey or a general characteristic of hepatitis during this year of high prevalence, comparable data were obtained from several other States. The two following tables indicate that the unusual pattern is apparently restricted to New Jersey with the more usual childhood distribution present in California, Florida, Massachusetts, Ohio and New York City.

The New Jersey State Board of Health is investigating this further to learn whether this pattern is the result of reporting or some unusual mode of spread of this disease. If there is any occurrence of unusual age distribution of hepatitis cases in other States, CDC would appreciate being notified.

AGE DISTRIBUTION OF 1961 HEPATITIS CASES FOR SEVERAL STATES AND NEW YORK CITY

Age Group	N. J.*	Cal.**	Flo.***	Mass.†	Ohio††	NYC†††
0-9	35	163	70	28	271	93
10-19	63	160	54	57	307	103
20-29	79	148	35	41	115	119
30-39	134	71	20	32	88	79
+ 40	113	78	34	24	48	57
Unknown			20	6	72	1
Total	424	620	233	188	901	452

PERCENT DISTRIBUTION OF HEPATITIS CASES BY SELECTED AGE GROUPS

Age Group	N.J.	Colif.	Fla.	Mass.	Ohio	NYC
0-9	8	26	33	15	33	21
10-19	15	26	25	31	37	23
20-29	19	24	16	23	14	26
30-39	32	11	9	18	11	18
+ 40	27	13	16	13	6	13

* Through March 2. ** Five counties and Los Angeles through 3/20 *** Through March 11. † Through March 20. †† January and February cases. ††† Through March 17.

(Continued on page 8)

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MARCH 19, 1960 AND MARCH 18, 1961

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Poliomyelitis 080										Meningitis, aseptic	Brucellosis (undulant fever)
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic			
	11th week		Cumulative, first 11 weeks		11th week		Cumulative, first 11 weeks		080.2		340 pt.	044
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1961
UNITED STATES	11	5	94	188	9	4	56	135	2	-	31	15
NEW ENGLAND	-	-	2	6	-	-	2	6	-	-	-	-
Maine	-	-	-	2	-	-	-	2	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	-	-	1	4	-	-	1	4	-	-	-	-
Rhode Island	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut	-	-	1	-	-	-	1	-	-	-	-	-
MIDDLE ATLANTIC	1	1	9	30	1	1	8	21	-	-	6	2
New York	-	-	3	27	-	-	2	18	-	-	-	1
New Jersey	1	1	2	3	1	1	2	3	-	-	6	-
Pennsylvania	-	-	4	-	-	-	4	-	-	-	-	1
EAST NORTH CENTRAL	1	1	14	23	-	-	8	4	1	-	1	4
Ohio	-	-	7	13	-	-	3	2	-	-	-	-
Indiana	-	-	1	-	-	-	1	-	-	-	-	-
Illinois	-	-	2	3	-	-	2	2	-	-	1	1
Michigan	-	1	1	5	-	-	1	-	-	-	-	1
Wisconsin	1	-	3	2	-	-	1	-	1	-	-	2
WEST NORTH CENTRAL	1	-	2	10	1	-	2	7	-	-	2	3
Minnesota	-	-	1	6	-	-	1	6	-	-	1	-
Iowa	-	-	-	2	-	-	-	1	-	-	1	2
Missouri	-	-	-	1	-	-	-	-	-	-	-	-
North Dakota	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota	-	-	-	1	-	-	-	-	-	-	-	-
Nebraska	1	-	1	-	1	-	1	-	-	-	-	-
Kansas	-	-	-	-	-	-	-	-	-	-	-	1
SOUTH ATLANTIC	-	-	8	36	-	-	6	29	-	-	1	-
Delaware	-	-	1	-	-	-	1	-	-	-	-	-
Maryland	-	-	-	1	-	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	-	-	-	-	1	-
West Virginia	-	-	2	2	-	-	1	2	-	-	-	-
North Carolina	-	-	2	12	-	-	2	12	-	-	-	-
South Carolina	-	-	-	2	-	-	-	2	-	-	-	-
Georgia	-	-	1	1	-	-	1	1	-	-	-	-
Florida	-	-	2	18	-	-	1	12	-	-	-	-
EAST SOUTH CENTRAL	1	-	12	7	1	-	1	6	-	-	9	-
Kentucky	1	-	12	5	1	-	1	4	-	-	3	-
Tennessee	-	-	-	-	-	-	-	-	-	-	3	-
Alabama	-	-	-	1	-	-	-	1	-	-	1	-
Mississippi	-	-	-	1	-	-	-	1	-	-	2	-
WEST SOUTH CENTRAL	2	-	11	9	1	-	5	7	1	-	3	4
Arkansas	-	-	1	-	-	-	-	-	-	-	-	1
Louisiana	-	-	3	4	-	-	2	3	-	-	-	-
Oklahoma	-	-	-	1	-	-	-	1	-	-	-	-
Texas	2	-	7	4	1	-	3	3	1	-	3	3
MOUNTAIN	2	1	15	11	2	1	9	7	-	-	2	2
Montana	-	-	1	4	-	-	1	3	-	-	-	-
Idaho	1	-	3	4	1	-	1	1	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-	-	-	-
Colorado	-	-	3	-	-	-	3	-	-	-	2	-
New Mexico	-	-	1	-	-	-	-	-	-	-	-	-
Arizona	-	-	2	2	-	-	1	2	-	-	-	1
Utah	1	1	5	1	1	1	3	1	-	-	-	1
Nevada	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC	3	2	21	56	3	2	15	48	-	-	7	-
Washington	-	-	-	4	-	-	-	4	-	-	1	-
Oregon	-	2	2	10	-	2	1	6	-	-	-	-
California	3	-	18	41	3	-	13	37	-	-	6	-
Alaska	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii	-	-	1	1	-	-	1	1	-	-	-	-
Puerto Rico	-	4	1	22	-	4	1	22	-	-	-	-

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MARCH 19, 1960 AND MARCH 18, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

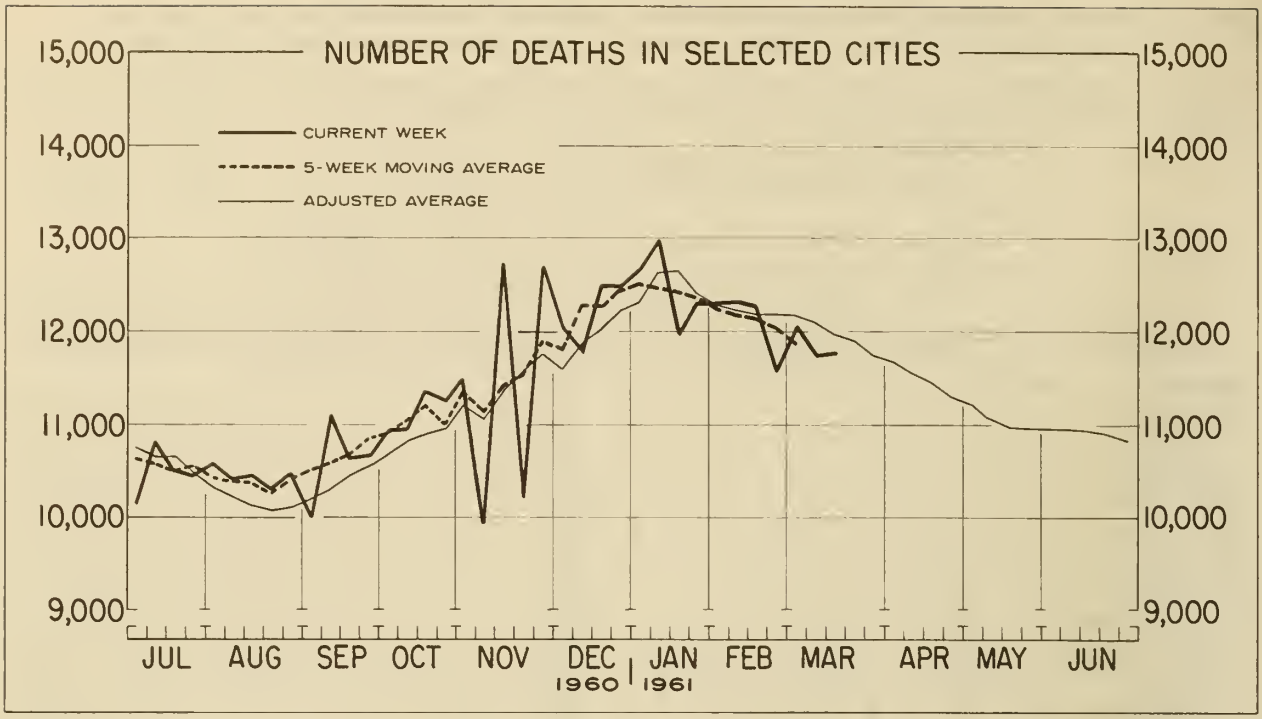
Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles	
	11th week		Cumulative, first 11 weeks		082		11th week		Cumulative, first 11 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES	13	6	188	208	37	24	1,896	858	19,368	8,190	13,733	15,508
NEW ENGLAND	-	-	2	5	2	3	43	31	593	280	1,236	1,118
Maine	-	-	-	1	1	-	2	4	31	20	10	141
New Hampshire	-	-	-	-	-	-	4	-	43	5	55	8
Vermont	-	-	-	-	-	-	3	-	93	5	17	11
Massachusetts	-	-	2	3	-	2	13	16	183	143	587	592
Rhode Island	-	-	-	1	-	1	10	8	82	53	384	23
Connecticut	-	-	-	-	1	-	11	3	161	54	183	343
MIDDLE ATLANTIC	-	-	4	6	8	6	314	95	2,911	781	2,879	2,375
New York	-	-	3	1	6	3	111	59	1,172	400	1,286	1,956
New Jersey	-	-	-	-	1	1	105	4	669	53	520	274
Pennsylvania	-	-	1	5	1	2	98	32	1,070	328	1,073	145
EAST NORTH CENTRAL	-	-	5	19	2	3	324	157	3,732	1,561	3,543	3,357
Ohio	-	-	-	12	2	-	107	55	1,499	427	762	686
Indiana	-	-	-	3	-	1	75	21	585	233	182	280
Illinois	-	-	4	2	-	-	52	24	615	334	456	587
Michigan	-	-	1	2	-	1	72	53	922	458	758	767
Wisconsin	-	-	-	-	-	1	18	4	111	109	1,385	1,037
WEST NORTH CENTRAL	2	-	11	12	-	1	163	84	1,914	737	519	430
Minnesota	1	-	6	3	-	-	57	9	465	71	6	246
Iowa	-	-	1	2	-	-	40	42	446	151	154	39
Missouri	-	-	-	1	-	-	23	17	454	248	229	81
North Dakota	-	-	-	1	-	-	3	7	41	74	104	59
South Dakota	-	-	3	4	-	-	2	1	94	87	-	4
Nebraska	1	-	1	-	-	-	26	-	195	54	26	1
Kansas	-	-	-	1	-	1	12	8	219	52	NN	NN
SOUTH ATLANTIC	6	1	34	50	7	1	259	85	2,198	924	1,613	781
Delaware	-	-	-	-	-	-	1	2	52	45	99	26
Maryland	-	-	1	-	-	1	28	20	203	94	110	164
District of Columbia	-	-	-	-	-	-	4	-	22	7	6	86
Virginia	-	-	6	8	2	-	33	25	272	236	404	186
West Virginia	-	-	1	1	1	-	42	8	478	195	214	104
North Carolina	1	-	4	1	1	-	80	5	521	46	319	93
South Carolina	-	-	-	12	-	-	6	5	159	25	126	35
Georgia	3	-	6	8	-	-	43	7	240	85	12	7
Florida	2	1	16	20	3	-	22	13	251	191	323	80
EAST SOUTH CENTRAL	1	-	5	20	1	1	319	94	3,378	1,329	875	1,709
Kentucky	-	-	2	-	-	-	107	37	1,067	588	364	593
Tennessee	-	-	2	3	-	-	127	36	1,408	403	441	814
Alabama	1	-	1	11	-	-	45	14	527	263	19	139
Mississippi	-	-	-	6	1	1	40	7	376	75	51	163
WEST SOUTH CENTRAL	4	5	123	71	1	1	138	62	1,297	574	695	2,919
Arkansas	-	-	-	1	-	-	25	2	271	27	190	33
Louisiana	-	2	12	13	-	-	17	-	89	23	4	16
Oklahoma	-	-	2	5	-	-	8	13	100	97	1	31
Texas	4	3	109	52	1	1	88	47	837	427	500	2,839
MOUNTAIN	-	-	4	24	1	-	173	80	1,316	756	702	552
Montana	-	-	2	-	-	-	10	5	144	36	75	41
Idaho	-	-	-	11	-	-	13	2	76	109	47	60
Wyoming	-	-	-	5	-	-	23	1	38	5	7	-
Colorado	-	-	2	2	-	-	61	31	436	211	87	124
New Mexico	-	-	-	2	-	-	12	12	213	126	NN	-
Arizona	-	-	-	1	1	-	16	23	127	182	435	100
Utah	-	-	-	3	-	-	31	6	242	71	45	198
Nevada	-	-	-	-	-	-	7	-	40	16	6	29
PACIFIC	-	-	-	1	15	8	163	170	2,029	1,248	1,671	2,267
Washington	-	-	-	-	2	-	14	14	245	148	223	835
Oregon	-	-	-	-	-	-	31	26	361	247	117	267
California	-	-	-	-	13	8	114	75	1,347	748	1,328	878
Alaska	-	-	-	1	-	-	3	52	58	73	1	108
Hawaii	-	-	-	-	-	-	1	3	18	32	2	179
Puerto Rico	10	6	21	52	-	-	31	41	110	239	16	30

NN-Not Notifiable

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED MARCH 19, 1960 AND MARCH 18, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria 110-117	Meningoccocal infections 057		Psittacosis 096.2	Streptococcal sore throat, etc. 050,051	Typhoid fever 040				Typhus fever, endemic 101	Rabies in animals	
						11th week		Cumulative, first 11 weeks				
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES	1	43	50	1	10,025	10	15	96	107	-	65	123
NEW ENGLAND	-	1	3	-	761	-	-	2	1	-	-	-
Maine	-	-	-	-	9	-	-	1	-	-	-	-
New Hampshire	-	-	-	-	25	-	-	-	-	-	-	-
Vermont	-	-	-	-	21	-	-	-	-	-	-	-
Massachusetts	-	-	3	-	248	-	-	1	1	-	-	-
Rhode Island	-	-	-	-	89	-	-	-	-	-	-	-
Connecticut	-	1	-	-	369	-	-	-	-	-	-	-
MIDDLE ATLANTIC	1	9	5	1	1,251	-	-	9	5	-	-	19
New York	1	1	2	1	718	-	-	3	3	-	-	19
New Jersey	-	5	1	-	259	-	-	1	-	-	-	-
Pennsylvania	-	3	2	-	274	-	-	5	2	-	-	-
EAST NORTH CENTRAL	-	10	10	-	1,267	-	2	7	9	-	5	3
Ohio	-	3	5	-	350	-	-	4	1	-	2	-
Indiana	-	-	-	-	181	-	-	1	1	-	-	1
Illinois	-	3	2	-	215	-	2	-	3	-	2	1
Michigan	-	2	1	-	273	-	-	1	4	-	1	-
Wisconsin	-	2	2	-	248	-	-	1	-	-	-	1
WEST NORTH CENTRAL	-	3	5	-	321	1	-	8	7	-	12	27
Minnesota	-	-	1	-	23	-	-	3	-	-	-	1
Iowa	-	-	-	-	58	-	-	1	-	-	7	2
Missouri	-	1	3	-	20	-	-	3	7	-	5	11
North Dakota	-	-	-	-	99	-	-	-	-	-	-	3
South Dakota	-	-	-	-	7	-	-	-	-	-	-	7
Nebraska	-	1	1	-	1	-	-	-	-	-	-	3
Kansas	-	1	-	-	113	1	-	1	-	-	-	-
SOUTH ATLANTIC	-	8	7	-	797	4	2	16	19	-	9	17
Delaware	-	-	-	-	10	-	-	-	-	-	-	-
Maryland	-	1	1	-	59	-	-	-	-	-	-	-
District of Columbia	-	-	1	-	4	1	-	1	1	-	-	-
Virginia	-	2	2	-	242	-	-	-	3	-	5	9
West Virginia	-	-	1	-	247	1	1	2	1	-	3	5
North Carolina	-	5	-	-	65	-	-	2	7	-	-	1
South Carolina	-	-	-	-	21	-	-	1	5	-	-	1
Georgia	-	-	1	-	6	2	-	9	-	-	1	1
Florida	-	-	1	-	143	-	1	1	2	-	-	-
EAST SOUTH CENTRAL	-	4	4	-	1,464	-	1	17	26	-	8	18
Kentucky	-	2	2	-	306	-	1	4	10	-	3	9
Tennessee	-	1	1	-	1,138	-	-	11	14	-	5	5
Alabama	-	-	1	-	6	-	-	2	2	-	-	4
Mississippi	-	1	-	-	14	-	-	-	-	-	-	-
WEST SOUTH CENTRAL	-	2	9	-	1,126	2	9	15	23	-	15	34
Arkansas	-	-	2	-	8	1	3	2	7	-	6	10
Louisiana	-	1	7	-	11	-	5	2	9	-	3	1
Oklahoma	-	-	-	-	36	-	-	2	1	-	-	-
Texas	-	1	-	-	1,071	1	1	9	6	-	6	23
MOUNTAIN	-	1	-	-	2,046	1	1	11	8	-	3	1
Montana	-	-	-	-	105	-	-	1	4	-	-	-
Idaho	-	-	-	-	141	-	-	-	-	-	-	-
Wyoming	-	-	-	-	121	-	-	-	-	-	-	-
Colorado	-	1	-	-	579	-	-	5	-	-	2	-
New Mexico	-	-	-	-	654	-	1	1	4	-	-	1
Arizona	-	-	-	-	246	1	-	2	-	-	1	-
Utah	-	-	-	-	198	-	-	1	-	-	-	-
Nevada	-	-	-	-	2	-	-	1	-	-	-	-
PACIFIC	-	5	7	-	992	2	-	11	9	-	13	4
Washington	-	-	-	-	374	-	-	1	-	-	-	1
Oregon	-	-	-	-	102	-	-	-	-	-	1	-
California	-	5	7	-	472	2	-	10	9	-	8	3
Alaska	-	-	-	-	35	-	-	-	-	-	4	-
Hawaii	-	-	-	-	9	-	-	-	-	-	-	-
Puerto Rico	-	2	-	-	7	2	1	5	13	-	2	1



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	11th week ended March 18, 1961	10th week ended March 11, 1961	Adjusted average, 11th week 1956-60	Percent change, adjusted average to current week	Cumulative, first 11 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES	11,767	11,697	11,981	-1.8	134,108	144,790	-7.4
New England (14 cities)	716*	703	727	-1.5	8,239	9,261	-11.0
Middle Atlantic (20 cities)	3,538	3,307	3,328	+6.3	38,229	39,013	-2.0
East North Central (21 cities)	2,481	2,441	2,508	-1.1	28,103	31,110	-9.7
West North Central (9 cities)	738	766	855	-13.7	9,033	10,193	-11.4
South Atlantic (11 cities)	950	964	1,022	-7.0	11,630	12,910	-9.9
East South Central (8 cities)	508	528	558	-9.0	6,240	6,599	-5.4
West South Central (13 cities)	996	997	1,082	-7.9	11,675	13,082	-10.8
Mountain (8 cities)	385	424	367	+4.9	4,279	4,432	-3.5
Pacific (13 cities)	1,455	1,567	1,534	-4.1	16,680	18,190	-8.3

*Includes estimate for missing reports.

Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	11th week ended March 18, 1961	10th week ended March 11, 1961	Cumulative, first 11 weeks	
			1961	1960
NEW ENGLAND:				
Boston, Mass.	217	255	2,840	3,223
Bridgeport, Conn.	43	43	455	512
Cambridge, Mass.	30	33	332	395
Fall River, Mass.	27	27	302	372
Hartford, Conn.	50	33	527	605
Lowell, Mass.	31	23	285	296
Lynn, Mass.	26	17	255	321
New Bedford, Mass.	28	31	317	310
New Haven, Conn.	36	33	518	563
Providence, R.I.	69	55	700	815
Somerville, Mass.	13	21	149	190
Springfield, Mass.	65	37	569	608
Waterbury, Conn.	28	41	328	343
Worcester, Mass.	53*	54	662	708
MIDDLE ATLANTIC:				
Albany, N.Y.	41	44	541	528
Allentown, Pa.	31	44	397	410
Buffalo, N.Y.	141	149	1,636	1,788
Camden, N.J.	51	33	467	546
Elizabeth, N.J.	27	33	332	353
Erie, Pa.	37	42	443	439
Jersey City, N.J.	75	62	823	846
Newark, N.J.	111	122	1,204	1,192
New York City, N.Y.	1,778	1,727	19,547	19,416
Paterson, N.J.	38	33	448	500
Philadelphia, Pa.	621	566	6,066	6,245
Pittsburgh, Pa.	227	123	2,242	2,436
Reading, Pa.	17	19	254	274
Rochester, N.Y.	90	97	1,164	1,270
Schenectady, N.Y.	32	27	284	293
Scranton, Pa.	31	28	426	480
Syracuse, N.Y.	68	66	693	780
Trenton, N.J.	58	52	537	479
Utica, N.Y.	29	20	340	362
Yonkers, N.Y.	35	20	385	376
EAST NORTH CENTRAL:				
Akron, Ohio	56	46	643	689
Canton, Ohio	24	26	355	440
Chicago, Ill.	757	724	8,506	9,569
Cincinnati, Ohio	147	141	1,767	2,049
Cleveland, Ohio	213	227	2,409	2,767
Columbus, Ohio	87	112	1,265	1,501
Dayton, Ohio	88	94	966	876
Detroit, Mich.	329	341	3,833	4,253
Evansville, Ind.	30	39	405	436
Flint, Mich.	62	33	483	460
Fort Wayne, Ind.	36	40	450	461
Gary, Ind.	31	37	358	369
Grand Rapids, Mich.	58	48	515	492
Indianapolis, Ind.	153	151	1,672	1,780
Madison, Wis.	36	25	351	357
Milwaukee, Wis.	138	107	1,399	1,549
Peoria, Ill.	28	32	327	361
Rockford, Ill.	29	25	317	341
South Bend, Ind.	24	30	325	367
Toledo, Ohio	105	106	1,125	1,284
Youngstown, Ohio	50	57	632	709
WEST NORTH CENTRAL:				
Des Moines, Iowa	52	52	588	682
Duluth, Minn.	18	26	299	330
Kansas City, Kans.	43	28	441	430
Kansas City, Mo.	94	154	1,485	1,608
Lincoln, Nebr.	(30)	(22)	(333)	(311)
Minneapolis, Minn.	126	126	1,428	1,493
Omaha, Nebr.	57	60	785	935
WEST NORTH CENTRAL—Con.:				
St. Louis, Mo.	232	201	2,718	3,248
St. Paul, Minn.	78	63	768	906
Wichita, Kans.	38	56	521	561
SOUTH ATLANTIC:				
Atlanta, Ga.	107	116	1,382	1,482
Baltimore, Md.	226	252	2,866	3,329
Charlotte, N.C.	39	32	418	559
Jacksonville, Fla.	77	40	702	833
Miami, Fla.	68	82	876	936
Norfolk, Va.	42	44	559	572
Richmond, Va.	76	74	957	1,006
Savannah, Ga.	29	41	414	466
St. Petersburg, Fla.	(81)	(79)	(899)	(934)
Tampa, Fla.	70	76	807	827
Washington, D.C.	181	171	2,195	2,401
Wilmington, Del.	35	36	454	499
EAST SOUTH CENTRAL:				
Birmingham, Ala.	90	90	1,035	1,046
Chattanooga, Tenn.	53	41	596	614
Knoxville, Tenn.	19	27	341	391
Louisville, Ky.	73	137	1,306	1,427
Memphis, Tenn.	140	96	1,398	1,396
Mobile, Ala.	44	47	480	531
Montgomery, Ala.	39	21	392	433
Nashville, Tenn.	50	69	692	761
WEST SOUTH CENTRAL:				
Austin, Tex.	35	37	395	489
Baton Rouge, La.	15	44	332	389
Corpus Christi, Tex.	25	16	275	333
Dallas, Tex.	127	143	1,436	1,531
El Paso, Tex.	32	43	427	511
Fort Worth, Tex.	87	72	785	844
Houston, Tex.	175	145	2,042	2,179
Little Rock, Ark.	52	56	645	778
New Orleans, La.	180	166	1,996	2,379
Oklahoma City, Okla.	79	69	907	936
San Antonio, Tex.	102	92	1,194	1,329
Shreveport, La.	39	67	611	639
Tulsa, Okla.	48	47	630	745
MOUNTAIN:				
Albuquerque, N. Mex.	21	34	361	370
Colorado Springs, Colo.	15	23	189	217
Denver, Colo.	140	133	1,357	1,496
Ogden, Utah	11	19	172	208
Phoenix, Ariz.	88	111	989	930
Pueblo, Colo.	19	16	181	176
Salt Lake City, Utah	49	39	563	596
Tucson, Ariz.	42	49	467	439
PACIFIC:				
Berkeley, Calif.	18	18	189	208
Fresno, Calif.	(50)	(48)	(505)	(626)
Glendale, Calif.	(33)	(35)	(372)	(507)
Honolulu, Hawaii	35	39	451	491
Long Beach, Calif.	70	67	687	663
Los Angeles, Calif.	508	584	6,082	6,834
Oakland, Calif.	94	92	1,112	1,160
Pasadena, Calif.	41	42	369	442
Portland, Oreg.	112	92	1,138	1,257
Sacramento, Calif.	47	52	728	751
San Diego, Calif.	93	110	1,032	1,138
San Francisco, Calif.	219	217	2,407	2,478
San Jose, Calif.	(45)	(37)	(390)	(335)
Seattle, Wash.	138	158	1,508	1,684
Spokane, Wash.	48	64	519	549
Tacoma, Wash.	32	32	458	535
San Juan, P. R.	(31)	(38)	(375)	(406)

*Estimate - based on average percentage of divisional total.

() Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.

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U.S DEPOSITORY

Stophylococcol Food Poisoning on o Trons-Pocific Airline – Howoii

A violent gastroenteritis was reported among 13 of 28 passengers arriving by air in Honolulu on January 16, 1961. The flight originated at Vancouver, B. C.; a stop was made at San Francisco but no food was taken aboard. About one and one-half hours out, 13 passengers became violently ill with nausea and vomiting. All who were ill reported eating breast of chicken Jeanette. Those who had not partaken of the chicken did not become ill. Items from lunch and dinner served prior to the outbreak were received for bacteriological examination. No organisms commonly associated with food poisoning were found in any of the specimens of foods submitted, except three portions of breast of chicken, which showed a coagulase-positive *Staphylococcus aureus* 187 in counts up to 11,000,000 per gram.

The pilots and other crew members who do not eat the food that is prepared for the passengers, did not become ill. It is worth noting that this precaution is designed to prevent a disastrous Staphylococcal food poisoning episode among crew members. As an additional precaution, the hours of eating for the pilot and co-pilot are staggered on trans-oceanic flights.
(Submitted by James R. Enright, Chief, Bureau of Epidemiology, Hawaii Department of Health.)

QUARANTINE MEASURES

Immunizotion Informotion for Internotionol Trovel-1960 Edition

Public Health Service Publication No. 383

The following corrections and deletions should be made in Section 5:

Page 53, France – Smallpox Add the following: Valid smallpox vaccination certificate required for persons arriving from Spain. All other information remains the same.

Page 56, Spain – Smallpox Delete information and insert: Smallpox vaccination required for arrival by air except children under 6 months of age and travelers who have been resident for more than 14 days in a European Country immediately before arrival in Spain. All other information remains the same.

FOR SOURCE AND NATURE OF MORBIDITY DATA SEE LAST WEEK'S MORBIDITY AND MORTALITY WEEKLY REPORT

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